



PTO/SB/21 (02-04)

**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/619,940	
	Filing Date	July 14, 2003	
	First Named Inventor	Michalicek, M. A.	
	Art Unit	2872	
	Examiner Name	Unassigned	
Total Number of Pages in This Submission	1	Attorney Docket Number	19930-001410

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement (2 pages), PTO Form SB 08A (2 pages), PTO Form SB 08B (2 pages), and 21 Non-Patent Literature Documents <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Postcard				
<table><tr><td>Remarks</td><td>The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.</td></tr><tr><td colspan="2">No Fee Transmittal is attached as this IDS is being filed before the first Office Action has been received by Applicant.</td></tr></table>			Remarks	The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.	No Fee Transmittal is attached as this IDS is being filed before the first Office Action has been received by Applicant.	
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Townsend and Townsend and Crew LLP Roger T. Barrett	Reg. No. 41,599
Signature		
Date	June 10, 2004	

CERTIFICATE OF TRANSMISSION/MAILING

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Typed or printed name	Sara B. McPeak		
Signature		Date	June 10, 2004

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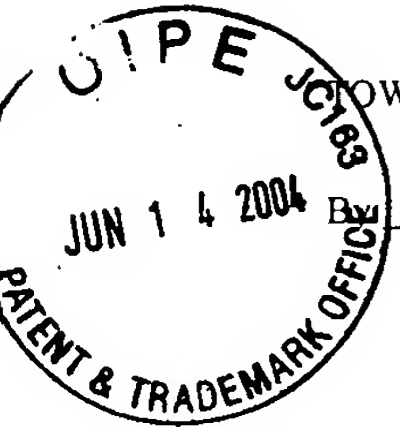
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Attorney Docket No.: 19930-001410US

Mail Stop Amendment
Commissioner for Patents
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Alexandria, VA 22313-1450

On June 10, 2004

TOWNSEND and TOWNSEND and CREW LLP

Sara B. McPeak



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

M. Adrian Michalicek

Application No.: 10/619,940

Filed: July 14, 2003

For: HIDDEN FLEXURE ULTRA
PLANAR OPTICAL ROUTING
ELEMENT

Examiner: Unassigned

Art Unit: 2872

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A (2 pages) and 08B (2 pages) and are being called to the attention of the Examiner. This application is a continuation of and relies upon the following the following patent for an earlier effective filing date under 35 U.S.C. § 120:

U. S. Patent Application No. 09/859,069, filed May 15, 2001,
now U. S. Pat. No. 6,608,712.

In accordance with 37 CFR §1.98(d), copies of those U. S. Patents or Publications that have been previously submitted to or cited by the Office in the parent application, or in co-pending Patent Application no. 10/161,838, filed June 3, 2002, are not enclosed.

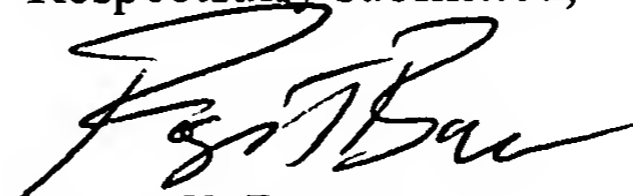
In accordance with 37 CFR §1.98(a)(2), copies of non-patent literature references are enclosed.

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

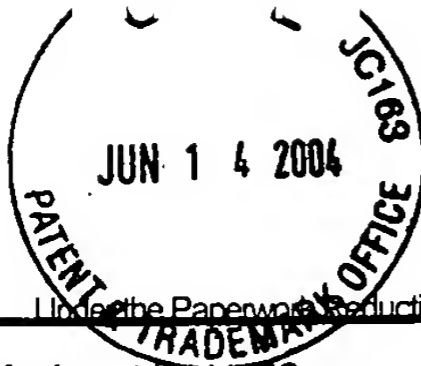
Applicant believes that no fee is required for submission of this statement, since it is being submitted prior to the first Office Action. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Roger T. Barrett
Reg. No. 41,599

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RTB:sbm



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 4

Complete if Known

Application Number	10/619,940
Filing Date	July 14, 2003
First Named Inventor	Michalicek, M.A.
Art Unit	2872
Examiner Name	Unassigned
Attorney Docket Number	19930-001410

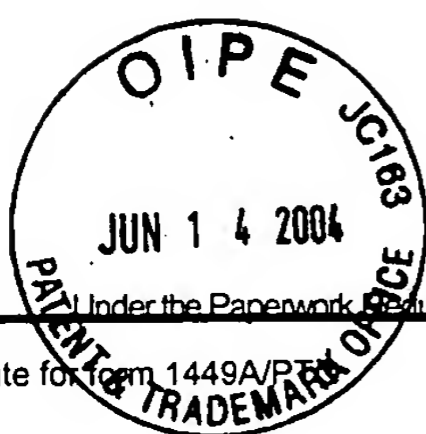
U.S. PATENT DOCUMENTS					
Examiner	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
	AA	4,330,175	05-18-1982	Yohji Fujii et al.	
	AB	5,212,582	05-18-1993	William E. Nelson	
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	AQ	6,108,471	08-22-2000	Zhang et al.	
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	AS	6,147,790	11-14-2000	Robert E. Meier et al.	
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	AX	2002/0039225 A1	04-04-2002	Robert E. Meier et al.	
	AY	2002/0118472 A1	08-29-2002	Edward A. Hill	

Examiner
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08A (10-01)

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STATEMENT BY APPLICANT**

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Sheet **2** of **4****Complete if Known**

Application Number	10/619,940
Filing Date	July 14, 2003
First Named Inventor	Michalicek, M. A.
Art Unit	2872
Examiner Name	Unassigned
Attorney Docket Number	19930-001410

U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
	AZ	2002/0135850 A1	09-2002	Hagelin et al.	
	BA	6,449,096 B1	09-10-2002	Larry Fabiny et al.	
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	CC	2003/0011863 A1	01-2003	Muller	
	CD	6,608,712 B2	08-19-2003	M. Adrian Michalicek	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				
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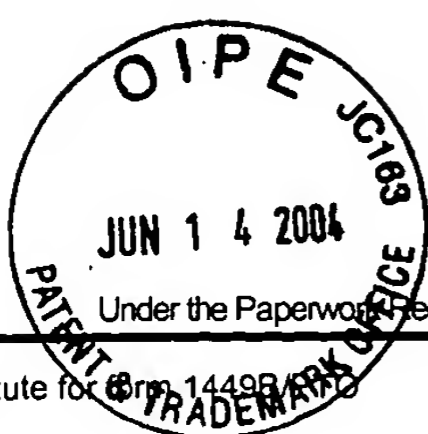
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**INFORMATION DISCLOSURE
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Sheet

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of

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Application Number	10/619,940
Filing Date	July 14, 2003
First Named Inventor	Michalicek, M. A.
Art Unit	2872
Examiner Name	Unassigned
Attorney Docket Number	19930-001410

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CF	T. Akiyama, et al.; "Controlled Stepwise Motion in Polysilicon Microstructures," Journal of Microelectromechanical Systems, Vol. 2, No. 3, September 1993; pp.106-110	
	CG	C.M.A. Ashruf, et al., "Galvanic porous silicon formation without external contacts," Sensors and Actuators 74 (1999) pp. 118-122	
	CH	Kenneth Bean, et al., "Anisotropic Etching of Silicon," IEEE Transactions on Electron Devices, Vol. Ed-25, No. 10, October 1978	
	CI	Dino R. Ciarlo, "A latching accelerometer fabricated by the anisotropic etching of (110) oriented silicon wafers," Lawrence Livermore Nat'l Laboratory, March 1, 1992	
	CJ	A.S. Dewa, et al., "Development of a Silicon Two-Axis Micromirror for an Optical CrossConnect," Solid State Sensors and Actuators Workshop, Hilton Head, South Carolina, pp. 93-96	
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	CM	Robert E. Hopkins, <i>Some Thoughts On Lens Mounting</i> , Optical Engineering, September-October 1976, Vol. 15, No. 5, pgs. 428-430.	
	CN	V. Kaajakari et al.; "Ultrasonic Actuation for MEMS Dormancy-Related Stiction Reduction," In MEMS Reliability for Critical Applications, Proceedings of SAPIE Vol. 4180 (2000); pp. 60-65	
	CO	T.L. Koch et al., "Anisotropically etched deep gratings for InP/InGaAsP optical devices," J.App. Phys. 62 (8), 15 October 1987	
	CP	I. Nishi et al., "Broad-Passband-Width Optical Filter for Multi-Demultiplexer Using a Diffraction Grating and a Retroreflector Prism," Electronics Letters, Vol. 21, No. 10, 9 th May 1985	
	CQ	P. Phillippe et al., "Wavelength demultiplexer: using echelette gratings on silicon substrate," Applied Optics, Vol. 24, No. 7, 1 April 1985	
	CR	R. D. Rallison, White Paper on: <i>Dense Wavelength Division Multiplexing (DWDM) and the Dickson Grating</i> , January 6, 2001, 9 pages.	

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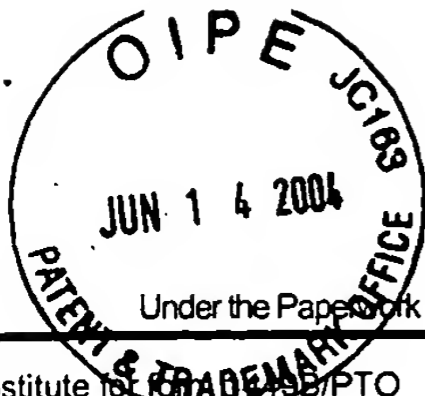
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Attorney Docket Number	19930-001410

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	CS	M. Schilling et al., "Deformation-free overgrowth of reactive ion beam etched submicron structures in InP by liquid phase epitaxy," Appl. Phys. Lett. 49 (12), 22 September 1986	
	CT	Z. J. Sun et al., Demultiplexer with 120 channels and 0.29-nm Channel Spacing," IEEE Photonics Technology Letters, Vol. 10, No. 1, January 1998	
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	CV	L. Torcheux et al., "Electrochemical Coupling Effects on the Corrosion of Silicon Samples in HF Solutions," J. Electrochem.Soc., Vol. 142, No. 6, June 1995	
	CW	P. VanKessel et al., "A MEMS-Based Projection Display," Proceedings of the IEEE, Vol. 86, No. 8, August 1998; pp. 1687-1704	
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	CY	Gimballed Electrostatic Microactuators with Embedded Interconnects; dissertation by L. Muller; Spring 2000	
	CZ	Transducer Elements, Piezo Systems, Inc., Cambridge MA, Catalog #3, 1998, pgs. 30-45.	

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